

Date: Thu, 27 May 93 04:30:18 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #647
To: Info-Hams

Info-Hams Digest Thu, 27 May 93 Volume 93 : Issue 647

Today's Topics:

Buying radios without a license
Call Sign Server, Where?
Daily Solar Geophysical Data Broadcast for 26 May
IC 271/471 vs IC 275/475 Performance Question
License Wait Update
Looking for DH3FAM
Nickel-hydride batteries (2 msgs)
roof mounted tri-band beam
RSGB books info (2 msgs)
Some advice on soldering coaxial cable
Touch Tone Frequencies

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 25 May 1993 14:15:13 GMT
From: swrinde!gatech!howland.reston.ans.net!sol.ctr.columbia.edu!news.kei.com!
ddsw1!gagme!lyd@network.UCSD.EDU
Subject: Buying radios without a license
To: info-hams@ucsd.edu

Derek Wills (oo7@emx.cc.utexas.edu) wrote:
: jga@dreaml.wariat.org (Jon Anhold) says:

: >>xpo@trsvax.tandy.com writes:
: >>| ...Requiring a license would eliminate being able
: >>| to purchase a rig for someone else as a gift, getting a rig

: >>| after you test but before you receive your ticket, and other
: >>| legit customers.

: >If somebody wants to purchase a radio as a gift, just ask the intended
: >receiver of the gift for a copy of liscence/csce..

: Well, then it couldn't be a surprise gift. As they (probably) say,
: "radios don't transmit, people transmit" - you don't want it to be
: harder to buy an HT than to buy a handgun, do you?

: Derek "I am definitely not the NRA" Wills (AA5BT, G3NMX)

: Department of Astronomy, University of Texas,
: Austin TX 78712. (512-471-1392)
: oo7@astro.as.utexas.edu

I've been buying/selling trancievers for several years, now. I've never had a license. I've also never had the urge to become a jammer, or otherwise transmit illegally. I'm quite happy listening. I buy x-cievers as opposed to recievers because they seem to hold their value much better.

It seems that making this pattern unavailiable to me would be yet another example of the good paying for the sins of the bad. Legislation is seldom the best soloution.

(there are already too many dealers who won't sell a transmitter without proof of a ticket. is this, defined legaly, discrimination?)

Dave

Date: Wed, 26 May 93 11:36:08 CDT
From: dds w1!cronos!mike@uunet.uu.net
Subject: Call Sign Server, Where?
To: info-hams@ucsd.edu

Hello,

I know there is at least one Call Sign Server on the Internet unfortunatly I have lost the address. Does anyone have any addresses for a Call Sign Server? You can either post here or send in a e-mail message to "mike@cronos.mcs.com". THANKS

Mike Brand - mike@cronos.mcs.com
N9TLV

The Keeper of Time BBS
1 708 389 1369

Date: 27 May 93 06:07:15 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 26 May
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 146, 05/26/93
10.7 FLUX=107.5 90-AVG=121 SSN=088 BKI=0010 1102 BAI=002
BGND-XRAY=B3.4 FLU1=1.6E+06 FLU10=1.3E+04 PKI=1111 1213 PAI=004
BOU-DEV=004,004,008,004,006,006,004,019 DEV-AVG=006 NT SWF=00:000
XRAY-MAX= C3.2 @ 0200UT XRAY-MIN= B2.6 @ 0154UT XRAY-AVG= B6.5
NEUTN-MAX= +000% @ 0000UT NEUTN-MIN= +000% @ 0000UT NEUTN-AVG= +0.0%
PCA-MAX= +0.0DB @ 0000UT PCA-MIN= +0.0DB @ 0000UT PCA-AVG= +0.0DB
BOUTF-MAX=55393NT @ 1412UT BOUTF-MIN=55351NT @ 1843UT BOUTF-AVG=55381NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+093,+000,+000
GOES6-MAX=P:+141NT@ 1815UT GOES6-MIN=N:-064NT@ 0342UT G6-AVG=+115,-014,-042
FLUXFCST=STD:115,115,120;SESC:115,115,120 BAI/PAI-FCST=010,020,015/015,035,020
KFCST=1111 1111 4434 4334 27DAY-AP=009,012 27DAY-KP=1111 3333 4322 3232
WARNINGS=*SWF
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 25 MAY 93 was 81.7.
The Full Kp Indices for 25 MAY 93 are: 1- 0+ 0+ 0+ 1o 1o 2- 1-

Date: Thu, 27 May 1993 10:33:53 GMT
From: usc!howland.reston.ans.net!torn!csd.unb.ca!UPEI.CA!seeler@network.UCSD.EDU
Subject: IC 271/471 vs IC 275/475 Performance Question
To: info-hams@ucsd.edu

Just a quick note to ask your opinion about the performance of the IC 271/471 radio pair versus the more recent models - the IC 275 and IC 475. My interest relates to the fact that there are published mods for the 271 and 471 for use with 9.6 Kb packet. The 275 and 475 have received good reviews in the past for general as well as satellite operations.

Can the same be said of the earlier pair?

Thank you for your consideration of this request.

73 David Seeler, VY2DCS
Internet: Seeler@UPEI.CA

AX25: VY2DCS@VE1AIC.PE.CAN.NA
Charlottetown, PEI Canada

Date: Wed, 26 May 93 09:48:29 CDT
From: dds w1!cronos!mike@uunet.uu.net
Subject: License Wait Update
To: info-hams@ucsd.edu

Hello,

I received my Tech Class License on May 22, It was issued on May 18,
and the test was taken on March 27.

So it would seem the current wait is 8 weeks. Your milage may vary!

73

Mike Brand - mike@cronos.mcs.com
N9TLV

The Keeper of Time BBS
1 708 389 1369

Date: Wed, 26 May 1993 08:29:16 GMT
From: mcsun!sunic!aun.uninett.no!nuug!statoil!ddm3!magne@uunet.uu.net
Subject: Looking for DH3FAM
To: info-hams@ucsd.edu

Can somebody help me locate the current address of Martin, DH3FAM.
I've lost track of him since he moved to the Schwarzwald area...

73 de Magne LA1BFA

(magne@statoil.no)

Date: Thu, 27 May 1993 08:33:35 GMT
From: usc!zaphod.mps.ohio-state.edu!caen!destroyer!cs.ubc.ca!newsserver.sfu.ca!
sfu.ca!tpang@network.UCSD.EDU
Subject: Nickel-hydride batteries
To: info-hams@ucsd.edu

Sorry about my last question about price, I must not be reading right,
the posting stated \$5 for a card of 2. So, I am sorry about the bandwidth
again.

Regards,
David

In real life: David Tse	E-mail: tpang@sfu.ca (Internet)
Snail Mail: P.O. Box 26052, Richmond, B.C., V6Y 1Z3, Canada	
Home: Amiga A3000/25/100/6 + AMaxII + ZyXEL U-1496E + HP DeskJet PLUS	

Date: Thu, 27 May 1993 08:29:17 GMT
From: swrinde!gatech!destroyer!cs.ubc.ca!newsserver.sfu.ca!sfu.ca!
tpang@network.UCSD.EDU
Subject: Nickel-hydride batteries
To: info-hams@ucsd.edu

schuster@panix.com (Michael Schuster) writes:
>In article <01GYN0I9PZC2JRP75K@tnetech.edu> RPH0470@tnetech.EDU (Richard Hosker)
writes:
>>The Fuji lithium AA's are, believe it or not, 1.5 V. It's some sort of a
>Eveready's Lithium Energizer AA cells have been on the market for a few
>--
>Mike Schuster | schuster@panix.com | 70346.1745@CompuServe.COM
>----- | schuster@shell.portal.com | GEnie: MSCHUSTER

I have yet to see them around in popular places in Vancouver yet, are they available in other cities in US now? BTW, when I used to live in Southern California, Kodak used to market their Lithium in supermarkets, but before I bought any, they were on clearance, and then gone for ever. I still I saw some ads on magazines as well. Now where are they? (some device would be perfect for such a long shell life, and high cap. type!)

How much are the AA Lithiums?

Regards,
David

In real life: David Tse	E-mail: tpang@sfu.ca (Internet)
Snail Mail: P.O. Box 26052, Richmond, B.C., V6Y 1Z3, Canada	
Home: Amiga A3000/25/100/6 + AMaxII + ZyXEL U-1496E + HP DeskJet PLUS	

Date: 27 May 1993 10:30:29 GMT
From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!

wvanhorn@network.UCSD.EDU
Subject: roof mounted tri-band beam
To: info-hams@ucsd.edu

In article <C7n7Kt.Mqu@ucunix.san.uc.edu> morris@ucunix.san.uc.edu (Ted Morris) writes:

>In article <9305241532.AA03807@ginzo.wellfleet> ginsburg@ginzo.wellfleet.COM (Scott Ginsburg) writes:

>>

>>I'm interested in getting a tri-band beam (maybe something like a Cushcraft A3S) up in the air without putting up a tower. I've heard of people roof mounting such antennas, and am looking for advice from those that have either done it or have researched it and decided it's a bad idea.

>

>I bought an A3 and HamIV rotor from a YL who had it up on a one-story on >a 4-foot (5-foot?) tripod. I've bought a 9-foot Rohn tripod to use on >the top of my 3-story house (My wife said I can't have a tower but she >doesn't know what a 9' tripod is going to look like (-: (-:). I hope >to put it all up this spring. I'll be a little cramped for guying >opportunities but I definitely am going to go the route suggested in the >ARRL books of going through the roof boards with a long carriage bolt to >a backing board across the roof joists. Nothing this big can hold onto >the roof boards without ripping both off the roof! I'll have to give up >a little on mounting the tripod close to the edge of the house in order >to get the angle to put up guys, but I think it'll be the better choice >in the long run.

>

>No practical advice, then, just untested opinion (-:.

>

>Ted Morris, WB8VNV

>

One hundred years ago (at least), when I was studying Elec. Engng., I had to take one course in Civil Engng. to "learn" something about structures. About the only thing I remember is that one never uses guy wires on a cantilever (self-supporting) structure. The reason is that one will fail before the other does any good.

Which one, the structure or the guys, fails first is very difficult to calculate but intuitively you can see that in a strong wind the guys will probably "stretch" far enough before hitting their elastic limit that the tower legs will collapse unless you put a great deal of tension on them when you first put them up. If you do that, you are pre-loading the legs which will make them more likely to fail.

73, Van - W8UOF
wvanhorn@magnus.acs.ohio-state.edu

Date: 27 May 93 08:28:05 GMT
From: news-mail-gateway@ucsd.edu
Subject: RSGB books info
To: info-hams@ucsd.edu

I'm wondering if anyone has a pointer to RSGB where I can call or write to ask their list of publications. I would also appreciate any hint on good books about RF design, measurement, instrumentation that develope the arguments from a theoretical standpoint (as opposite as practical circuit collections) either published by RSGB or not.

73, Marco

Marco Fassiotto - IX1IIY	
Software Engineer	
P.O. Box 19	Packet : ix1iiy@ik1brm.iv.to.ita.eu
10018 Pavone (TO) - ITALY	INTERNET : fax@sparc4.ico.olivetti.com

Date: Thu, 27 May 1993 10:45:58 GMT
From: pipex!uknet!sni.co.uk!lehane@uunet.uu.net
Subject: RSGB books info
To: info-hams@ucsd.edu

Marco Fassiotto (fax%sparc4@Olivetti.COM) wrote:

: I'm wondering if anyone has a pointer to RSGB where I can call or write to ask
: their list of publications. I would also appreciate any hint on good books
: about RF design, measurement, instrumentation that develope the arguments
: from a theoretical standpoint (as opposite as practical circuit collections)
: either published by RSGB or not.

The RSGB book sales address is:

RSGB Sales
Lambda House
Cranborne Road
Potters Bar
Herts
EN6 3JE
England

Credit Card Hotline : +44 707 649855

You might find the three microwave handbooks of use to you as they contain both theoretical and practical information covering 1GHz up.
The current price of each volume is about UKL15.00

Hope that helps.

--
Lehane Kellett. G8KMH. Siemens Nixdorf Information Systems, Bracknell.
lehane@siesoft.co.uk NTS: g8kmh@gb3xp amprnet: g8kmh@g8kmh.ampr.org
Standard disclaimers apply. Warranty void if opened.

Date: Wed, 26 May 93 21:15:19 PDT
From: gumby!destroyer!cs.ubc.ca!mala.bc.ca!oneb!ham!emd@yale.arpa
Subject: Some advice on soldering coaxial cable
To: info-hams@ucsd.edu

stocker@nssdca.gsfc.nasa.gov (ERICH FRANZ STOCKER) writes:

> If someone could take the time to email me some advice on soldering connector
> onto coaxial cable I would appreciate it.
>
> I know how to prepare the cable for soldering and know to tin the shielding
> before soldering. However, I have the following specific areas that I would
> like to get someone's opinion who has done a bunch of this type of soldering:
>
> 1) Will a 35W iron be enough to heat both the connector and the shielding so
> that the solder will flow well.
>
> 2) Is there an easy way to tell when the connector is hot enough before the
> insulation starts to "flow"
>
> 3) I had someone tell me that I shouldn't attempt to flow solder in all the
> solder holes on the connector for the shielding. Is there a minimum number
> that must be soldered.
>
> Thanks for any advise you can pass on.
>
> Erich
> N30XM

Use MORE heat. I find a 150 Watt iron works well. With a low wattage

iron, it takes so long to heat the connector, the plastic DOES melt.

The connector is hot enough when solder begins to melt when held against it.

Keep in mind that you're only soldering SOME of the shield to the connector. Personally, I solder the shield to the connector at all four holes, which also makes it more reliable in the long run.

Robert Smits
VE7EMD
Ladysmith B.C.
e-mail: emd@ham.almanac.bc.ca

There is *no* idiotproof filter.
Idiots are proof against anything!
- Richard Chycoski, VE7CVS

Date: Thu, 27 May 93 05:22:08 GMT
From: src.dec.com!src.dec.com!horak@decwrl.dec.com
Subject: Touch Tone Frequencies
To: info-hams@ucsd.edu

jherndo@eis.calstate.edu (John Herndon) answers dorsey@lila.com (Bill Dorsey) question:

> I need to know the touch tone frequencies corresponding to the digits
> 0-9 and A-D for a project. Can anyone tell me what they are?

1 700 Hz + 900 Hz
2 700 Hz + 1100 Hz
3 900 Hz + 1100 Hz
4 700 Hz + 1300 Hz
5 900 Hz + 1300 Hz
6 1100 Hz + 1300 Hz
7 700 Hz + 1500 Hz
8 900 Hz + 1500 Hz
9 1100 Hz + 1500 Hz
0 1300 Hz + 1500 Hz

Nope. These tones are "MF" tones, not "DTMF" (or "touch-tone") tones. You also need 1700hz and 2600hz tones for MF, but I digress...

The tones you're looking for are:

1209 1336 1477 1633

770	4	5	6	B
852	7	8	9	C
941	*	0	#	D

You need to generate the corresponding row & column tone simultaneously to indicate the appropriate digit.

--Brad

Date: Wed, 26 May 1993 23:41:48 GMT
From: sdd.hp.com!portal!lhaven.UUmh.Ab.Ca!combdyn!lawrence@network.UCSD.EDU
To: info-hams@ucsd.edu

References <4Bc14B10w165w@dogbox.acme.gen.nz>,
<PASCAL.93May24153914@ap16.apd.cpg.sony.co.jp>, <1993May24.150305.4580@novell.com>
Subject : Re: RFI from ZyXEL modem to 2way radio

I don't own a Zyxel. But, I know the Telebit Worldblazer generates noise.

My radio is sitting about 1.5 metres away from the Worldblazer, and it'll break squelch in pattern with the PEP tones handshaking. I didn't note what frequency I was on at the time.

I just found out that my keyboard at work will break squelch on my HT, 147.060. And, as I was logging off of a BBS...I set the radio down on the other side of the computer and found that the SupraFAXmodem V.32bis was causing interference on 441.975.

I would have thought the Supra to be okay considering a metal case, but I guess the front and back are plastic.

--
--EMAIL-----PHONE-----FAX-----
| WORK: lawrence@combdyn.com | (403)529-2162 | (403)529-2516 | CallSign
| HOME: dreamer@lhaven.uumh.ab.ca | (403)526-6019 | (403)529-5102 | VE6LKC

disclaimer = (working_for && !representing) + (Combustion Dynamics Ltd.);

End of Info-Hams Digest V93 #647
